

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Philip T. Jarboe

GENERAL INFORMATION:

Name:	North American Pipe Corporation
Address:	5090 Gilbertsville Highway Calvert City, KY 42029
Date application received:	8/17/2007
SIC Code/SIC description:	3084, Plastics Pipe
Source ID:	21-157-00058
Agency Interest:	34469
Activity:	APE20070001
Permit:	V-07-041

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☒ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Potential (tpy) ¹
PM	9.97
PM ₁₀	0.75
VOC	3.03
Individual HAPs	0.033
Total HAPs ²	0.20

1. The potential emissions in the above table are from the construction/operation of the proposed North American Pipe Corporation PVC pipe production plant only (does not include emissions from the Westlake PVC or Westlake Vinyl facilities).
2. This facility is located within a continuous area and under common control with the Westlake PVC Corporation and Westlake Vinyl Incorporated facilities; therefore it is considered a major source for HAP's because North American Pipe Corporation, Westlake PVC Corporation, and Westlake Vinyl Incorporated are one "major source" pursuant to 401 KAR 52:001 definitions [401 KAR 52:001 Section 1(45)(a)].

SOURCE DESCRIPTION:

North American Pipe Corporation is a manufacturer of large diameter polyvinyl chloride (PVC) pipe falling under the primary SIC code of 3084. The primary raw materials are PVC pellets, calcium carbonate, low-volatile stabilizer oil, and other minor additives. A portion of the formulation is mixed in the hot mixer where it is frictionally heated prior to transfer to the cool mixer where it is mixed with additional PVC resin to generate the compound that will be used to manufacture the pipe. The compound is stored in a surge hopper prior to transfer to one of three compound silos. From these silos the material is transferred to the two lines where the pipe is formed by extrusion through specially designed molds. After the pipe cools it is sawed into sections. Pipe sections that do not meet quality control standards are processed through a pre-breaker and grinder process and then a pulverizer. The material is then placed in 2,000 pound super sacks for recycling back into the process. Excess compound produced above the amount required for pipe production is transferred to railcar loading or a bulk bagging station for shipment to outside locations.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

None

OPERATIONAL FLEXIBILITY:

None